# Safety Data Sheet
## GHS VERSION

| | | | |
|---|---|---|---|
| Article No.: | BLUE | BLUE | |
| Print date | 8/16/2016 | Revision date 8/16/2016 | |
| Version | 1.1 | Issue date 8/16/2016 | Page 1 / 6 |

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifiers

Article No. (manufacturer/supplier): BLUE
Identification of the substance or mixture BLUE

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses**
Stencil production for screen and textile printing. Reserved for industrial and professional use.

### 1.3. Details of the supplier of the safety data sheet

**supplier (manufacturer/importer/downstream user/distributor)**

ULANO® CORPORATION
110 Third Avenue
Brooklyn, NY 11217
USA
.
Telephone: +1 718-237-4700
Telefax: +1 718-802-1119
E-mail info@ulano.com

**Information contact:**
E-mail (competent person): P. Drago dragop@ulano.com

### 1.4. Emergency telephone number

Emergency telephone: 1-800-424-9300 (CHEMTREC))

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to GHS**

This mixture is classified as hazardous according to GHS

| | | |
|---|---|---|
| Skin Sens. 1 / H317 | respiratory or skin sensitisation | May cause an allergic skin reaction. |

### 2.2. Label elements

The product is classified and labelled according to GHS.

**Labelling according to GHS**

**Hazard pictograms**

**Warning**

**Hazard statements**
H317 May cause an allergic skin reaction.

**Precautionary statements**
P280 Wear protective gloves and eye/face protection.

**contains:**
ethoxylated (3) trimethylolpropane triacrylate
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)
2-Isopropyl-9H-thioxanthen-9-one

### 2.3. Other hazards

## 3. Composition / Information on ingredients

### 3.2. Mixtures

**Product description / chemical characterization**

**Description** Mixture of components, as listed below, with nonhazardous constituents

**Hazardous ingredients**

**Classification according to GHS**

| | | |
|---|---|---|
| **EC No.** | **REACH No.** | |
| **CAS No.** | **Chemical name** | **Wt %** |
| **INDEX No.** | **classification:** | **Remark** |

| | | |
|---|---|---|
| 500-066-5<br>28961-43-5 | 01-2119489900-30<br>ethoxylated (3) trimethylolpropane triacrylate<br>Eye Irrit. 2 H319 / Skin Sens. 1 H317 | 5 - 10 |
| 226-827-9<br>5495-84-1 | 2-Isopropyl-9H-thioxanthen-9-one<br>Acute Tox. 4 H302 / Acute Tox. 5 H333 / Eye Irrit. 2B H320 / Skin Sens. 1 H317 / STOT SE 3 H335 | 0.1 - 1 |
| 55965-84-9<br>613-167-00-5 | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)<br>Acute Tox. 3 H331 / Acute Tox. 3 H311 / Acute Tox. 3 H301 / Skin Corr. 1B H314 / Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410 | < 0.1 |

**Additional information**
Full text of classification: see section 16

## 4. First-aid measures

### 4.1. Description of first aid measures

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice.In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.In case of irregular breathing or respiratory arrest provide artificial respiration.

**Following skin contact**
After contact with skin, wash immediately with plenty of water and soap.Remove contaminated, saturated clothing immediately.

**After eye contact**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.If eye irritation persists: Get medical advice/attention.

**After ingestion**
Seek medical advice immediately.Do NOT induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed
In all cases of doubt, or when symptoms persist, seek medical advice.

### 4.3. Indication of any immediate medical attention and special treatment needed

## 5. Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media**
Carbon dioxide Water mist Foam

**Extinguishing media which must not be used for safety reasons:**
strong water jet

### 5.2. Special hazards arising from the substance or mixture
Gases/vapours, toxic

### 5.3. Special protective equipment for firefighters:
Provide a conveniently located respiratory protective device.

**Additional information**
The danger areas must be delimited and identified using relevant warning and safety signs. Cool closed containers that are near the source of the fire.Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures
Ventilate affected area.Remove persons to safety. Do not breathe vapours.See protective measures under point 7 and 8.

### 6.2. Environmental precautions
Do not allow to enter into surface water or drains in significant quantities.If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.Provide good ventilation.

6.3. **Methods and material for containment and cleaning up**
Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13).

6.4. **Reference to other sections**
Observe protective provisions (see chapter 7 and 8).

## 7. Handling and storage

7.1. **Precautions for safe handling**

**Advices on safe handling**

Avoid contact with skin and eyes. Do not inhale vapours or mist.
Do no eat, drink or smoke when using this product.
Personal protection equipment: refer to chapter 8.

7.2. **Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions**
Keep container tightly closed in a cool, well-ventilated place.

**Requirements for storage rooms and vessels**
Always keep in containers that correspond to the material of the original container.Ensure adequate ventilation of the storage area.

**Hints on joint storage**
Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Additional information**
VCI-storage class, see Chapter 15

7.3. **Specific end use(s)**
Observe technical data sheet.Observe instructions for use.

## 8. Exposure controls / Personal protection

8.1. **Control parameters**
**Occupational exposure limit values:**

n.a.

**DNEL:**

ethoxylated (3) trimethylolpropane triacrylate
EC No. 500-066-5 / CAS No. 28961-43-5
DNEL long-term dermal (systemic), Workers: 0.8 mg/kg
DNEL long-term inhalative (systemic), Workers: 16.2 mg/m³

**PNEC:**

ethoxylated (3) trimethylolpropane triacrylate
EC No. 500-066-5CAS No. 28961-43-5
PNEC aquatic, freshwater: 0.0019 mg/L
PNEC aquatic, marine water: 0.0002 mg/L
PNEC sediment, freshwater: 0.0082 mg/kg
PNEC sediment, marine water: 8.2 x10^-4 mg/kg

8.2. **Exposure controls**

**Personal protection equipment**

**Respiratory protection**
If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used.Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

**Hand protection**
Wear chemical resistant protective gloves.

**Eye protection**
Wear closed protection glasses.

**Protective clothing**
Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

**Protective measures**
After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental exposure controls**
Do not allow to enter into surface water or drains in significant quantities.

## 9. Physical and chemical properties

9.1. **Information on basic physical and chemical properties**

**Appearance:**

| | |
|---|---|
| **Physical state** | liquid |
| **Colour** | refer to label |
| **Odour** | characteristic |

| **Safety relevant basis data** | | | **Method** | **Remark** |
|---|---|---|---|---|
| **Flash point:** | n.a. | | | |
| **Ignition temperature (AIT)** | n.a. | | | |
| **Lower explosion limit** | n.a. | | | |
| **Upper explosion limit** | n.a. | | | |
| **Vapour pressure at 20 °C:** | n.a. | | | |
| **Density at 20 °C:** | 1.04 | g/cm³ | | |
| **Water solubility (g/L)** | partially soluble | | | |
| **pH at 20 °C:** | 4,70 | | | |
| **Viscosityat °C:** | n.a. | | | |
| **Initial boiling point and boiling range** | 100 | °C (101,3 kPa) | | |
| **Decomposition temperature (°C):** | 0 | | | |

9.2. **Other information:**

## 10. Stability and reactivity

10.1. **Reactivity**

10.2. **Chemical stability**
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3. **Possibility of hazardous reactions**
Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. **Conditions to avoid**

10.5. **Incompatible materials**

10.6. **Hazardous decomposition products**
Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

## 11. Toxicological information

Classification for mixtures and used evaluation method according to GHS
No data on preparation itself available.

11.1. **Information on toxicological effects**

**Acute toxicity**

Toxicological data are not available.

**skin corrosion/irritation; Serious eye damage/eye irritation**

Toxicological data are not available.

**Respiratory or skin sensitisation**

Toxicological data are not available.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Toxicological data are not available.

**Specific target organ toxicity**

Toxicological data are not available.

**Aspiration hazard**

Toxicological data are not available.

**Practical experience/human evidence**

Other observations:
Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc..

**Overall Assessment on CMR properties**

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

**Remark**

There is no information available on the preparation itself .

## 12. Ecological information

**overall evaluation**
Classification for mixtures and used evaluation method according to GHS
Do not store at public landfills.

12.1. **Toxicity**
No information available.

**Long-term Ecotoxicity**

Toxicological data are not available.

12.2. **Persistence and degradability**
Toxicological data are not available.

12.3. **Bioaccumulative potential**
Toxicological data are not available.

**Bioconcentration factor (BCF)**

Toxicological data are not available.

12.4. **Mobility in soil**
Toxicological data are not available.

12.5. **Results of PBT assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. **Other adverse effects**

## 13. Disposal considerations

13.1. **Waste treatment methods**

**Appropriate disposal / Product**
**Recommendation**
Dispose of waste according to applicable legislation.

**packaging**
**Recommendation**
Non-contaminated packages may be recycled.Vessels not properly emptied are special waste.

## 14. Transport information

**No dangerous good in sense of this transport regulation.**

14.1. **UN number**
n.a.

14.2. **UN proper shipping name**

14.3. **Transport hazard class(es)**
n.a.

14.4. **Packing group**
n.a.

14.5. **Environmental hazards**

| | |
|---|---|
| Land transport (ADR / RID / DOT): | n.a. |
| Marine pollutant | n.a. |

14.6. **Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8

**Additional information**

**Land transport (ADR / RID / DOT):**

tunnel restriction code -

**Sea transport (IMDG)**

EmS-No. n.a.
Packaging >30 l

14.7. **Transport in bulk according to Annex II of MARPOL and the IBC Code**

not applicable

## 15. Regulatory information

15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Observe in addition any national regulations!**

calculated with mixing rule

**Substance/product listed in the following inventories:**
Listed in TOXIC SUBSTANCES CONTROL ACT (TSCA)

15.2. **Chemical Safety Assessment**
Chemical safety assessments for substances in this preparation were not carried out.

## 16. Other information

**Full text of classification in section 3:**

| | | |
|---|---|---|
| Eye Irrit. 2 / H319 | Serious eye damage/eye irritation | Causes serious eye irritation. |
| Skin Sens. 1 / H317 | respiratory or skin sensitisation | May cause an allergic skin reaction. |
| Acute Tox. 4 / H302 | Acute toxicity (oral) | Harmful if swallowed. |
| Acute Tox. 5 / H333 | Acute toxicity (inhalative) | May be harmful if inhaled. |
| Eye Irrit. 2B / H320 | Serious eye damage/eye irritation | Causes eye irritation. |
| STOT SE 3 / H335 | Specific target organ toxicity (single exposure) | May cause respiratory irritation. |
| Acute Tox. 3 / H331 | Acute toxicity (inhalative) | Toxic if inhaled. |
| Acute Tox. 3 / H311 | Acute toxicity (dermal) | Toxic in contact with skin. |
| Acute Tox. 3 / H301 | Acute toxicity (oral) | Toxic if swallowed. |
| Skin Corr. 1B / H314 | skin corrosion/irritation | Causes severe skin burns and eye damage. |
| Aquatic Acute 1 / H400 | Hazardous to the aquatic environment | Very toxic to aquatic life. |
| Aquatic Chronic 1 / H410 | Hazardous to the aquatic environment | Very toxic to aquatic life with long lasting effects. |

**Additional information**
Classification for mixtures and used evaluation method according to GHS

The information supplied on this safety data sheet is correct to the best of our knowledge.Without written approval, the product must not be used for purposes different from those mentioned in chapter 1.It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations.The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.